

**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Gerhard **SCHMAUS**, Sabine **LANGE**,  
and **HOLGER JOPPE**

CONFIRMATION NO.: 1516

Application No.: 10/502,132

Group Art Unit: 1617

Filed: July 20, 2004

Examiner: Yong Soo **CHONG**

For: **SYNERGISTIC MIXTURES OF 1,2-ALKANE DIOLS**

Attorney Docket No.: 3968.120

Customer No.: 000041288

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. §1.97 and §1.98**

**Mail Stop Amendment**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. §1.56, Applicants hereby notify the U.S. Patent and Trademark Office of the following documents for the above-identified application. Copies of the documents set forth below and listed on the attached Form PTO/SB/08A and a copy of an International Search Report are provided herewith.

1. German Patent Application No. 22 04 943 A
2. French Patent Application No. 2 747 572 A
3. German Patent Application No. 199 27 891 A
4. DATABASE WPI Section Ch, Week 197639 Derwent Publications Ltd., London, GB; XP002022306 & JP51091327A (KAO SOAP CO LTD), 10 August 1976;
5. U.S. Patent No. 6,123,953 A

**Document 1**

Applicants are not aware of any English language document equivalent to Document 1.

In the International Search Report page 22, line 21 - page 26, line 29 were cited as "X" category relevancy to claims 1-10.

**Document 2**

Document 5 is an English language document in the patent family of Document 2.

In the International Search Report Document 2 was cited as "A" category relevancy to claims 1-10.

**Documents 3**

Applicants are not aware of any English language document equivalent to Document 3, other than an English language abstract:

Disinfectant or detergent contains an at least 6C 1,2-diol(s) in addition to conventional active ingredients, giving good effectiveness at a lower active component concentration.

In the International Search Report Document 3 was cited as "A" category relevancy to claims 1-10.

**Documents 4**

Document 1 is in the English language.

U.S. PATENT APPLICATION  
SERIAL NO.: 10/502,132  
INFORMATION DISCLOSURE STATEMENT

ATTY DOCK: 3968.120

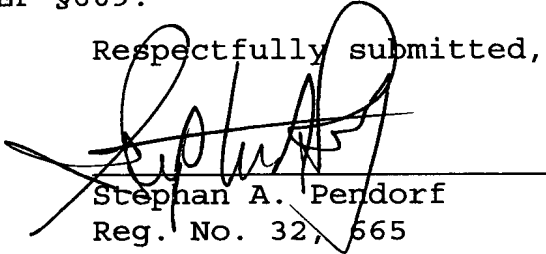
In the International Search Report abstract was cited as "A" category.

The present Information Disclosure Statement is being filed after three months from the application's filing date but before the mailing date of the first Office Action on the merits, therefore no Certification Under 37 C.F.R. §1.97(e) or fee under 37 C.F.R. §1.17(p) is required.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedated or otherwise remove any listed document as a competent reference against the claims of the present application.

Applicant respectfully requests that the listed documents be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO-1449 be returned in accordance with MPEP §609.

Respectfully submitted,



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Dated: **October 20, 2005**

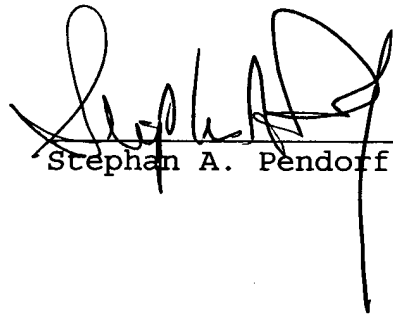
U.S. PATENT APPLICATION  
SERIAL NO.: 10/502,132  
INFORMATION DISCLOSURE STATEMENT

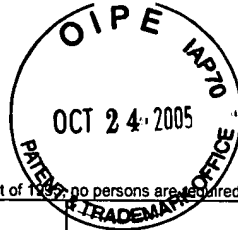
ATTY DOCK: 3968.120

**CERTIFICATE OF MAILING AND AUTHORIZATION TO CHARGE**

I hereby certify that the foregoing INFORMATION DISCLOSURE STATEMENT Form PTO/SB/08A, including five (5) documents, for U.S. Application No. 10/502,132 filed July 20, 2005, were deposited in first class U.S. mail, postage prepaid, P.O. Box 1450, Alexandria, VA 22313-1450, on **October 20, 2005**.

The Commissioner is hereby authorized to charge any additional fees which may be required at any time during the prosecution of this application without specific authorization, or credit any overpayment, to Deposit Account No. 16-0877.

  
Stephan A. Pendorf



Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

### Complete If Known

Application Number	10/502,132
Filing Date	July 20, 2004
First Named Inventor	Gerhard SCHMAUS
Art Unit	1617
Examiner Name	Yong Soo CHONG
Attorney Docket No.	3968.120

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of

### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (If Known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 6,123,953 A	09-26-2000	GREFF DANIEL	See transm. letter
		US-			
		US-			
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### NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		DATABASE WPI Section Ch, Week 197639 Derwent Publications Ltd., London, GB; XP002022306 & JP51091327A (KAO SOAP CO LTD), 10 August 1976;	Y

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>5</sup> (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		DE 22 04 943 A	08-09-1973	FRANKENFELD JOHN W	See transm. letter	N
		FR 2 747 572 A	10-24-1997	GREFF DANIEL	See transm. letter	N
		DE 199 27 891 A	12-21-2000	WIDULLE HERBERT	See transm. letter	N

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.